Teacher Notes – THE PUBLISHING COMPANY PART B

Task Scenario

You have been asked to create a database for the East Berkshire Vehicle Rental Company (EBVRC) . Currently all records are stored on a spreadsheet.

The Company would like to be able to store and report data on how their cars are Hired. The database will record information about:

- Customers and Customer Types
- Vehicles
- Parts

The Cars can be Petrol, Hybrid or Electric. The company wants the flexibility to add new cars and customers at a later date.

There is a new table which is a list of spare parts held by the company. The table holds a list of parts, their prices how many hours it would take to fit the spare parts as well as a labour cost per hour to repair the parts.

All text copyright © TheComputingTutor 2022. All rights Reserved.

General Information

The activities presented here follow the style of the new 5 hour format for the Unit 2 NEA from Pearson.

This NEA style was created in a direct response to the instances of mass cheating and plagiarism that occurred under the old-style assessment where students had 10 hours to work on a single database. What happened was that students would go online to various forums and share the question paper or the answers.

To respond to this, Pearson has cut down the NEA to 5 hours.

In Part A students are required to build a database and create some simple queries and reports and carry out testing.

In Part B, students are **GIVEN** a brand new database and are required to create forms for this.

The days and times of the exams are set by Pearson and are no longer at the institution's discretion.

The idea is that is it now impossible for students to share answers online. The downside is that although the amount of material for students to produce in the NEA has been substantially reduced, the course content remains the same.

All text copyright © TheComputingTutor 2022. All rights Reserved.

Part B

Here students are given a new database filled with tables and data.

Students are **NOT** expected to look at this.

They are **NOT** to change the data model or any validation.

They will be expected to create some simple data entry forms with some calculated fields.

This activity uses a similar database to the one they have been using except:

- The primary keys are autonumbered
- There is a new table called tblParts

Students are only to use tblCustomer, tblVehicle and tblParts. You will notice that tblRental and tblDiscount are missing. This is by design as they are not required for any query and serves to show how the database is different and will be merged at some point.

Forms will work from a single table and students should not be expected to create join queries or subforms. There is simply not enough time.

All text copyright © TheComputingTutor 2022. All rights Reserved.

Activity 6

This is fairly straightforward. The forms are simple data entry or report forms with calculated fields.

The main question you might get from students is “what’s a Part? Why is it not called Repair”? This is a fair question and does not really reflect a real-world situation.

The idea of the Parts table is that the company has a list of basic parts that they can replace themselves. In the real world, the company would send the car to a garage for repair, but then this would necessitate a separate datamodel, if multiple parts were repaired or replaced for a single vehicle.

The idea is that the

No part of this publication may be reproduced, distributed, or transmitted in any form or by any means, including photocopying, recording, or other electronic or mechanical methods, without the prior written permission of the TheComputingTutor

All text copyright © TheComputingTutor 2022. All rights Reserved.